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112345678901234567890123456789012345

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Page (1)

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0056

O MODULE LIBSDATE_TIME (! Date and time routine IDENT = '1-008' ! File: LIBDATETI.B32 Edit: RKR1008

BEGIN

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FACILITY: General Library Support

ABSTRACT:

This module contains a routine that returns the date and time in VAX/VMS format in a user-provided string.

ENVIRONMENT: VAX-11 User Mode

AUTHOR: John Sauter, CREATION DATE: 16-FEB-1979

MODIFIED BY:

1-001 - Original. JBS 16-FEB-1979 1-002 - Change LIB\$S and OTS\$S to STR\$. JBS 21-MAY-1979 1-003 - Change call to STR\$COPY. JBS 16-JUL-1979

1-004 - Correct an error in a comment. JBS 30-JUL-1979 1-005 - Change STR\$ return codes to LIB\$ return codes. JBS 22-JAN-1980

Change call from STR\$COPY_DX to LIB\$SCOPY_DXDX6.
This eliminates the need for a handler and the need to change STR\$ statuses to LIB\$ statuses. RKR 27-MAY-1981.

1-007 - Change name of required file from 'STRLNK.REQ' to 'RTLIN:STRLNK' as it should be. RKR 31-AUG-1981

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Ma 18 LIBSDATE_TIME VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBDATETI.B32:1 Page (1) 58 59 60 61 0058 1 ! 1-008 - Change to do copying with LIB\$SCOPY_R_DX6. RKR 18-NOV-1981 0059 1 !-- 0060 1 0061 1 !<BLF/PAGE>

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```
16-Sep-1984 00:47:33
14-Sep-1984 12:38:36
                                                                                              VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBDATETI.B32;1
LIBSDATE_TIME
1-008
  SWITCHES:
                 0065
                       1 SWITCHES ADDRESSING_MODE
                                           (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
                       1 ! LINKAGES:
                 0070
                                  REQUIRE 'RTLIN: STRLNK';
                         ! TABLE OF CONTENTS:
                       1 FORWARD ROUTINE
                             LIBSDATE_TIME;
                                                                          ! Return date and time
                         ! INCLUDE FILES:
                         REQUIRE 'RTLIN:RTLPSECT':
                                                                  ! Macros for defining psects
                       1 LIBRARY 'RTLSTARLE':
                                                                   ! System symbols and macros
                           MACROS:
                                  NONE
                           EQUATED SYMBOLS:
                                  NONE
                           PSECTS:
                         DECLARE_PSECTS (LIB); ! Declare psects for LIB$ facility
                           OWN STORAGE:
                                  NONE
                           EXTERNAL REFERENCES:
                         EXTERNAL ROUTINE
                 0387
0388
0389
0390
0391
                             LIB$SCOPY_R_DX6 : STRING_JSB;
                                                                       ! Copy string
                       The following error codes are used by this module
                 0392
                 0393
                         EXTERNAL LITERAL LIB$_STRTRU;
                 0394
                                                                             ! string truncated
```

Page

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Page

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```
7
LIBSDATE_TIME
                                                                              16-Sep-1984 00:47:33
14-Sep-1984 12:38:36
                                                                                                           VAX-11 Bliss-32 V4.0-742
                                                                                                                                                             (3)
                                                                                                                                                       Page
1-008
                                                                                                           [LIBRTL.SRC]LIBDATETI.B32:1
                   0453
0454
0455
0456
0457
0458
0459
                                Copy the returned string to the user's string, observing
    178
                               the semantics of his string class.
    179
    180
                                  RETURN ( LIB$SCOPY_R_DX6 ( .BUFFER_DESC [DSC$W_LENGTH]
    181
                                                                   DATE_TIME_BUF, .RESULT_ADDR) );
   182
                                  END:
                                                                              ! end of LIB$DATE_TIME
                                                                                           .TITLE
                                                                                                    LIBSDATE_TIME
                                                                                           .IDENT
                                                                                                   11-008
                                                                                           .EXTRN
                                                                                                    LIB$SCOPY_R_DX6
                                                                                           .EXTRN
                                                                                                    LIB$_STRTRU, SYS$ASCTIM
                                                                                           .PSECT
                                                                                                    _LIB$CODE,NOWRT, SHR, PIC,2
                                                                   007C 00000
C2 00002
DD 00005
                                                                                           ENTRY
                                                                                                    LIB$DATE_TIME, Save R2,R3,R4,R5,R6
                                                                                                                                                            0396
                                                                                                    #48, SP
#17694744
                                                5E
                                                                                          SUBL 2
                                                   010E0018
                                                                                                                                                            0442
0445
                                                                                          PUSHL
                                                                     9E
7C
9F
                                         04
                                                                 AE 7E AE AE 04
                                                                         0000B
                                               AE
                                                                                                    DATE_TIME_BUF, BUFFER_DESC+4 -(SP)
                                                                                          MOVAB
                                                                         00010
                                                                                           CLRQ
                                                                                                                                                            0450
                                                                                                   BUFFER_DESC
BUFFER_DESC
#4, SYS$ASCTIM
DATE_TIME_BUF, R1
RESULT_ADDR, R2
BUFFER_DESC, R0
LIB$SCOPY_R_DX6
                                                                         00012
                                                                                          PUSHAB
                                                                      9F 00015
                                                           0C
                                                                                          PUSHAB
                                               00
51
52
50
                                  0000000G
                                                                     FB
                                                                         00018
                                                                                          CALLS
                                                                AE
AC
6E
                                                                      9Ĕ
                                                                         0001F
                                                                                          MOVAB
                                                                                                                                                            0456
                                                                     ĎÕ
3C
                                                           04
                                                                         00023
                                                                                          MOVL
                                                                         00027
                                                                                          MOVZWL
                                                   0000000G
                                                                ŌŌ
                                                                         0002A
                                                                                          JSB
RET
                                                                      16
                                                                      04
                                                                         00030
                                                                                                                                                            0459
; Routine Size: 49 bytes,
                                    Routine Base: _LIB$CODE + 0000
   184
                   0460 1
   185
                   0461
                          1 END
                                                                              ! end of module LIB$DATE_TIME
                   0462
   186
   187
                          0 ELUDOM
                                               PSECT SUMMARY
          Name
                                                                             Attributes
                                        Bytes
    _LIB$CODE
                                                   NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)
                                       Library Statistics
                                                                  Symbols -----
                                                                                             Pages
                                                                                                           Processing
          file
                                                       Total
                                                                  Loaded
                                                                            Percent
                                                                                             Mapped
                                                                                                           Time
```

LIE

LIBSDATE_TIME VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBDATETI.B32;1 (3) _\$255\$DUA28:[SYSLIB]STARLET.L32;1 9776 9 00:00.7 581 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBDATETI/OBJ=OBJ\$:LIBDATETI MSRC\$:LIBDATETI/UPDATE=(ENH\$:LIBDATETI Size: Run Time: 49 code + 0 data bytes 00:03.1 Elapsed Time: 00:18. Lines/CPU Min: 9019 Lexemes/CPU-Min: 33136 00:18.4 : Memory Used: 46 pages : Compilation Complete

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